

AMENDMENTS TO THE CLAIMS

The listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Previously Presented) A method of displaying an execution status of a command, said command being sent to a plurality of computer systems on a network for execution, each computer system on the network having a network address and a software management utility running thereon, said method comprising:
 - cross-referencing into a table each computer system on the network to the network address of the computer system and to the software management utility running on the computer system;
 - entering the command on a command line in a local command interface;
 - specifying in the local command interface the plurality of computer systems on the network on which the command is to be concurrently executed;
 - mapping the command entered in the local command interface onto a plurality of corresponding commands, each corresponding command being a particular command of a particular software management utility running on a particular computer system of the specified computer systems;
 - dispatching, using the cross-referenced network address of the specified computer systems, the corresponding commands to the specified computer systems;
 - in response to the dispatching, displaying a dialog window, said dialog window being divided into sub-windows for displaying a present status of the execution of the command on each of the specified computer systems; and
 - displaying the status of the execution of the command on each of the specified computer systems within a proper sub-window.
2. (Original) The method of Claim 1 wherein said sub-windows include a “waiting”

sub-window, a “working” sub-window and a “completed” sub-window.

3. (Previously Presented) The method of Claim 2 wherein the displaying the status of the execution of the command further comprises displaying a name associated with each of the specified computer systems in the sub-windows in accordance with the status of the execution of the command on the specified computer systems.
4. (Previously Presented) The method of Claim 3 wherein when the command begins to execute on a selected computer system, the name of the selected computer system is moved from the “waiting” sub-window to the “working” sub-window.
5. (Previously Presented) The method of Claim 4 wherein when the command has finished executing on the selected computer system, the name of the selected computer system is moved from the “working” sub-window to the “completed” sub-window.
6. (Original) The method of Claim 5 wherein the “completed” sub-window is further divided into a “successful” sub-window and a “failed” sub-window.
7. (Previously Presented) The method of Claim 6 wherein the names of the specified computer systems that have successfully completed the execution of the command are displayed in the “successful” sub-window.
8. (Previously Presented) The method of Claim 7 wherein the names of the specified computer systems that have not successfully completed the execution of the command are displayed in the “failed” sub-window.

9. (Cancelled)
10. (Previously Presented) The method of Claim 8 wherein when the displayed name of the selected computer system is selected further information about the status of the command executing on the selected computer system is displayed.
11. (Original) The method of Claim 10 wherein if the selected computer system is displayed in the failed sub-window, a reason for the unsuccessful completion of the execution of the command is displayed.
12. (Previously presented) The method of Claim 11 wherein if the selected computer system is displayed in the executing sub-window, a real-time progress of the execution of the command is displayed.
13. (Previously Presented) A computer program product on a computer readable medium, the computer readable medium including instructions for execution by a processor, which, when executed by the processor, cause the processor to perform a method for displaying an execution status of a command, said command being sent to a plurality of computer systems on a network for execution, each computer system on the network having a network address and a software management utility running thereon, said method comprising:
 - cross-referencing into a table each computer system on the network to the network address of the computer system and to the software management utility running on the computer system;
 - entering the command on a command line in a local command interface;
 - specifying in the local command interface the plurality of computer systems on the network on which the command is to be concurrently executed;
 - mapping the command entered in the local command interface onto a plurality of corresponding commands, each corresponding command being a

particular command of a particular software management utility running on a particular computer system of the specified computer systems;

dispatching, using the cross-referenced network address of the specified computer systems, the corresponding commands to the specified computer systems;

in response to the dispatching, displaying a dialog window, said dialog window being divided into sub-windows for displaying a present status of the execution of the command on each of the specified computer systems; and

displaying the status of the execution of the command on each of the specified computer systems within the proper sub-window.

14. (Original) The computer program product of Claim 13 wherein said sub-windows include a “waiting” sub-window, a “working” sub-window and a “completed” sub-window.
15. (Previously Presented) The computer program product of Claim 14 wherein the displaying the status of the execution of the command further comprises displaying a name associated with each of the specified computer systems in the sub-windows in accordance with the status of the execution of the command on the specified computer systems.
16. (Previously Presented) The computer program product of Claim 15 wherein when the command begins to execute on a selected computer system, the name of the selected computer system is moved from the “waiting” sub-window to the “working” sub-window.
17. (Previously Presented) The computer program product of Claim 16 wherein when the command has finished executing on the selected computer system, the name of the selected computer system is moved from the “working” sub-window

to the “completed” sub-window.

18. (Original) The computer program product of Claim 17 wherein the “completed” sub-window is further divided into a “successful” sub-window and a “failed” sub-window.
19. (Previously Presented) The computer program product of Claim 18 wherein the names of the specified computer systems that have successfully completed the execution of the command are displayed in the “successful” sub-window.
20. (Previously Presented) The computer program product of Claim 19 wherein the names of the specified computer systems that have not successfully completed the execution of the command are displayed in the “failed” sub-window.
21. (Canceled)
22. (Previously Presented) The computer program product of Claim 20 wherein when the displayed name of the selected computer system is selected further information about the status of the command executing on the selected computer system is displayed.
23. (Original) The computer program product of Claim 22 wherein if the selected computer system is displayed in the failed sub-window, a reason for the unsuccessful completion of the execution of the command is displayed.
24. (Previously presented) The computer program product of Claim 23 wherein if the selected computer system is displayed in the executing sub-window, a real-time progress of the execution of the command is displayed.

25. (Previously Presented) An apparatus comprising:

- one or more processors;
- a memory coupled to at least one of the processors;
- a plurality of computer systems on a network, each computer system on the network having a network address and a software management utility running thereon;
- a set of instructions stored in the memory and executed by at least one of the processors in order to perform actions of:
 - cross-referencing into a table each computer system on the network to the network address of the computer system and to the software management utility running on the computer system;
 - entering the command on a command line in a local command interface;
 - specifying in the local command interface the plurality of computer systems on the network on which the command is to be concurrently executed;
 - mapping the command entered in the local command interface onto a plurality of corresponding commands, each corresponding command being a particular command of a particular software management utility running on a particular computer system of the specified computer systems;
 - dispatching, using the cross-referenced network address of the specified computer systems, the corresponding commands to the specified computer systems;
 - in response to the dispatching, displaying a dialog window, said dialog window being divided into sub-windows for displaying a present status of the execution of the command on each of the specified computer systems; and
 - displaying the status of the execution of the command on each of the

specified computer systems within the proper sub-window.

26. (Original) The apparatus of Claim 25 wherein said sub-windows include a “waiting” sub-window, a “working” sub-window and a “completed” sub-window.
27. (Previously Presented) The apparatus of Claim 26 wherein the displaying the status of the execution of the command includes further comprises displaying a name associated with each of the specified computer systems in the sub-windows in accordance with the status of the execution of the command on the specified computer systems.
28. (Previously Presented) The apparatus of Claim 27 wherein when the command begins to execute on a selected computer system, the name of the selected computer system is moved from the “waiting” sub-window to the “working” sub-window.
29. (Previously Presented) The apparatus of Claim 28 wherein when the command has finished executing on the selected computer system, the name of the selected computer is moved from the “working” sub-window to the “completed” sub-window.
30. (Original) The apparatus of Claim 29 wherein the “completed” sub-window is further divided into a “successful” sub-window and a “failed” sub-window.
31. (Previously Presented) The apparatus of Claim 30 wherein the names of the specified computer systems that have successfully completed the execution of the command are displayed in the “successful” sub-window.
32. (Previously Presented) The apparatus of Claim 31 wherein the names of the

specified computer systems that have not successfully completed the execution of the command are displayed in the “failed” sub-window.

33. (Canceled)
34. (Previously Presented) The apparatus of Claim 33 wherein when the displayed name of the selected computer system is selected further information about the status of the command executing on the selected computer system is displayed.
35. (Original) The apparatus of Claim 34 wherein if the selected computer system is displayed in the failed sub-window, a reason for the unsuccessful completion of the execution of the command is displayed.
36. (Previously presented) The apparatus of Claim 35 wherein if the selected computer system is displayed in the executing sub-window, a real-time progress of the execution of the command is displayed.
37. (Canceled)
38. (Previously Presented) The method of claim1 further comprising:
 - determining whether each one of the plurality of computer systems specified in the local command interface is accessible; and
 - in response to determining that a first computer system is not accessible, deleting the first computer system from the local command interface.
39. (Previously Presented) The computer program product of claim 13 wherein the method further comprises:
 - determining whether each one of the plurality of computer systems specified in the local command interface is accessible; and

in response to determining that a first computer system is not accessible, deleting the first computer system from the local command interface.

40. (Previously Presented) The apparatus of claim 25 wherein the action further comprise:

 determining whether each one of the plurality of computer systems specified in the local command interface is accessible; and

 in response to determining that a first computer system is not accessible, deleting the first computer system from the local command interface.